



## King County

### INDUSTRIAL ENGINE MECHANIC NATURAL RESOURCES AND PARKS WASTEWATER TREATMENT DIVISION

Hourly Rate Range: \$25.20 – \$30.47 (plus \$1.52 productivity pay)

Job Announcement: 05DE4963

OPEN: 3/21/05 CLOSE: 4/20/05

**WHO MAY APPLY:** This Career Service opportunity is open to all King County career service employees and the general public. Consideration will be given in that order.

**WHERE TO APPLY:** To obtain required King County forms, contact the Job Vacancy Information line at (206) 296-5209 or download from <http://www.metrokc.gov/ohrm/jobs/JobApplications.htm>. Submit required forms and a letter of interest describing how you meet the minimum qualifications to **Wastewater Treatment Division-HR, 201 S. Jackson Street, KSC-NR-0511, Seattle, WA 98104.**

**Please Note:** Complete application material not received at the location specified above may not be processed. Contact Diana Eberly-Shepard (206) 263-3911 for more information.

**FORMS AND MATERIALS REQUIRED:** Incomplete or missing materials may negatively impact further consideration of your application, please be sure that all of the following are submitted.

- [King County Data and Application form](#)
- Letter of interest
- Supplemental questionnaire located at the end of the announcement
- Resume
- Transcript and/or training records, if applicable

**WORK LOCATION:** West Point Treatment Plant, 1400 Utah Street W., Seattle, WA 98199 (No Direct bus service is available to this location)

**WORK SCHEDULE:** Standard working hours are 40 hours per week. Currently 10 hours per day, 4 days a week. Applicants must be available to work any assigned schedule. This position is overtime eligible.

**JOB SUMMARY:** Performs skilled mechanical maintenance duties at a journey-level to service, maintain, and overhaul generating and pumping industrial engines and machinery related to wastewater treatment operations.

#### **PRIMARY JOB DUTIES INCLUDE:**

- Troubleshoot and/or perform preventive maintenance and routine service on a wide variety of industrial engines, pumps, generators, compressors, boilers and related assigned equipment.
- Install large industrial engines, right-angle gearboxes and ancillary systems, as designed.
- Overhaul/rebuild industrial engines and various other components.
- Maintain records or work performed on all engines; secure necessary tools, parts, and other materials needed to complete assigned work.

- Update technical documents; determine appropriate inventory of spare parts for critical machinery and equipment.
- Review blueprints, work orders and shop drawings to facilitate coordination of maintenance efforts.
- Provide assistance to contractors and facility engineers to inspect, witness and assess contractor's installed machinery during testing and commissioning.
- Install and commission new equipment.
- Operate, maintain and modify low-pressure steam systems.
- Operate and maintain a wide variety of large and small multi-fuel engines and boilers.
- Install, operate, maintain and troubleshoot a variety of solid state electronic ignition and governing systems.

**MINIMUM QUALIFICATIONS:**

- Knowledge equivalent to five years' journey-level experience in the following areas:
- Skill in large, industrial engine maintenance and overhaul
- Repair and overhaul of various types of compressors
- Troubleshooting, repairing and overhauling generator sets
- Ignition systems, governing systems, electronic control management systems, engine control management.
- Diesel and/or gaseous engine repairs up to 5000 hp
- Use of power and hand tools and rigging equipment
- Lubricating oils
- Precision measuring tools and devices
- Machine shop tools and equipment
- Low pressure boilers and steam systems
- Aligning large machinery
- Welding and pipefitting

**NECESSARY SPECIAL REQUIREMENT:** Valid driver's license requires at the time of hire with the ability to obtain a Washington State driver's license within 30 days. Desirable: Current/valid CDL license with tanker endorsement.

**WORKING CONDITIONS:** Ability to frequently lift and move machinery up to 100 lbs Ability to perform work near heavy operating equipment in areas with high temperatures and noise levels Ability to be available to respond to 24-hour call and emergencies. Working at a Wastewater Treatment facility.

**SELECTION PROCESS:** A physical examination will be required, upon a job offer. Applicants will be required, upon a job offer to provide a current 5-year complete driving abstract from the Department of Licensing.

**UNION MEMBERSHIP:** Service Employee International Union, Local 925, represents position in this classification.

**Class code: 844101**

## **SUPPLEMENTAL QUESTIONNAIRE: - Industrial Engine Mechanic**

The following items address important elements of this position and the information you provide will help to determine your eligibility for further consideration. Please limit your responses to one page.

1. List any training you have had in the following: Industrial application of engines, ignition systems, fuel systems, governor and governor control systems, etc.

2. Describe your experience in the maintenance and overhaul of:

Heavy – Duty industrial diesel engines:

Heavy – Duty industrial gas (propane, natural gas and methane gas) engines: